

## LISTING OF PHOTOS, SEGMENTS AND PHOTO DESCRIPTIONS

| <u>Segment number</u> | <u>Map photo number and caption</u>  |
|-----------------------|--|
| Segment 0             | No photo locations on map (photos on file)   |
| Segment 1<br>Upper    | 1 Water quality grab sample site below Gardiner<br>2, Large boulder natural stable banks<br>4 Erosion, bank mass wasting   |
| Segment 1<br>Lower    | 6 Stable bank vegetation<br>8 Point bar pebble count<br>10 Bank mass wasting<br>12 La Duke Hot Springs<br>17 Below LaDuke looking upstream<br>19 Bank mass wasting<br>20 Bank mass wasting   |
| Segment 2<br>Upper    | 26 Bridge @ Corwin Springs<br>27 Point Bar<br>28 Bank Mass Wasting below bridge<br>34 Car Body on bank<br>35 blanket rock riprap<br>36 Mouth of Cedar Creek  |
| Segment 2<br>Lower    | 38 Stable bank vegetation<br>40 Rock barbs<br>41 Stable bank<br>43 Stable bank vegetation with backdrop of mountains<br>44 Older jetty structure with house below<br>50 Willows stabilizing bank<br>54 Irrigation pump station on left bank<br>69 Island bank eroded |
| Segment 3             | General view Yankee Jim Canyon looking upstream<br>General view Yankee Jim Canyon looking downstream passing through<br>large colluvial material<br>Yankee Jim Canyon looking upstream<br>Mouth of Tom Miner Creek   |
| Segment 4             | 2 General view looking upstream<br>6 Stable banks and vegetation<br>9 Irrigation pumping structure<br>10 Volcanic rock mass  |

- Segment 5  
Upper
- 6 House and eroding bank
  - 8 Large mid-channel bar forming island
  - 10 Blanket rock riprap above rest area. Eroding bank on right
  - 11 Extensive bed material deposition
  - 14 Mouth of Big Creek
- Segment 5  
Middle
- 17 Blanket rock riprap
  - 18 Rock barbs
  - 21 Livestock watering from river
  - 22 Park Branch Canal inlet
- Segment 5  
Lower
- 23 Debris traps sediment building bars and islands
  - 24 Blanket rock riprap
- Segment 6  
Upper
- 4 Blanket rock riprap
  - 7 Eroding bank- fine soils and sod undercut in loose alluvial cobble
  - 9 Barrel revetment
  - 10 Rubber revetment
- Segment 6  
Middle
- 11 Concrete wall revetment
  - 14 Stable bank
  - 18 Mouth of Mill Creek
  - 19 Sediment outwash at mouth of Mill Creek
- Segment 6  
Lower
- 23 Boulders moved by floodwaters
  - 24 Rock barb
  - 25 Bank mass wasting
  - 27 Bank mass wasting
- Segment 7  
Upper
- 9 Point bar cobble count - looking upstream
  - 10 Bank eroded by floodwaters
  - 16 Bank mass wasting below Mallards Rest Access
  - 17 Bank mass wasting below Mallards Rest Access – closeup
  - 5 Installing blanket rock riprap
- Segment 7  
Lower
- 13 Rock riprap
  - 14 Series of rock barbs
  - 15 Deposition between barbs
  - 16 Centerline down barb into water
  - 20 Barb with erosion control fabric

- Segment 8     31 Pine Creek Bridge  
Upper
- Segment 8     Track hoe placing rock riprap above Carter Bridge  
Lower         Work on Carter Bridge to repair bed scour around pier
- Segment 9     3 Woody debris  
                  90 degree bend in river with riprap on outside  
                  10 River cutting through transverse bars  
                  13 Remainder of circa. 1970's jetty  
                  18 Mouth of Billman Creek  
                  22 Along I-90 fill, looking east toward Ninth Street Island  
                  25 Livingston riverfront home
- Segment10     1 Dike along Sacajawea Park  
                  7 Waste travertine slabs used as riprap  
                  11 Dike along golf course w/ sandbags
- Segment 11     5 Exposed bedrock below home on bank  
Upper         6 Bank mass wasting below home east town  
                  7 Woody debris jam
- Segment 11     5 Dike  
Lower         7 Root armor on bank  
                  12 Rock riprap on toe of Hwy bridge
- Segment12     2 Eroded bank  
Upper
- Segment12     None shown  
Lower
- Segment 13     15 Natural vegetation providing bank protection  
Upper         16 Scoured/exposed roots of mature cottonwood trees
- Segment13     20 Great Blue heron colony in mature cottonwood gallery  
Middle
- Segment 13     21 Irrigation canal headgate  
Lower         22 Car body on bank. Crazy Mountains in background  
                  23 Eroding bank. Old channel blocked  
                  25 Springdale Bridge – end of the float trip!!

General slides:

- 05 Rafter near Gardiner
- 06 Kayaking near Gardiner
- 12 Absorka Mountains to the East of Yellowstone River – North of YNP
- 13 “ “ “ “ “ “ “ “ “ “ “
- 18 Drift boat crew inventory
- Seg3 2 Yankee Jim Canyon –morning light
- Seg8 1 Massive rock of size used to armor banks of Yellowstone River
- Seg10 22 Junk dumping spot on bank
- Seg11 19 Working float
- Seg 11 28 Putting in the drift boats with guides
- Seg 11 36 Drift boat warning sticker
- Seg12 6 Mature cottonwoods no understory vegetation. Bank undercut and eroded during last flood event
- Seg 12 22 Sandy material deposited during last flood event
- Seg12 8 Discussing the days mapping results
- Seg 12 32 Out of the mountains and into the plains changes the nature of the river